

FACULTY REJECTS 5-DAY WEEK

Dr. Underwood of Chemistry Staff Dies This Week

Assistant Professor Formerly Instructor in Organic Chemistry

30 YEARS AT INSTITUTE

Dr. Henry W. Underwood, Jr., assistant professor of chemistry, died early Tuesday at his home at 448 Broadway, Cambridge, after a short illness. He was 38 years old, and had been a member of the staff of Technology since 1920.

Dr. Underwood's father, a resident of Narragansett, R. I., died several days ago, and his mother about a year ago.

Dr. Underwood was born in Wakefield, R. I., on August 14, 1895. He received the degree of bachelor of philosophy at Brown University in 1916, and the degree of master of science in the following year. He received the degree of doctor of philosophy in 1919. During the following year he was a research fellow at Brown, and in 1920 joined the staff of M. I. T. as instructor in organic chemistry, a position which he held until his appointment as assistant professor in 1929.

He was a member of the American Academy of Arts and Sciences and the American Chemical Society, and was the author of two books on chemistry. His field of research included catalysis and dye stuffs.

FACULTY CLUB IS SPONSOR OF FREE SUNDAY CONCERT

Features the Little Symphony Orchestra — Soloists Are Presented

As has been previously announced, the Musical Clubs will present the first of their two Sunday concerts in Walker Memorial on Sunday afternoon at three o'clock. This concert is sponsored by the Faculty Club, and the entire student body of the Institute is invited to attend free of charge and is allowed to bring as many guests as desired.

Featured at this concert will be the M. I. T. Little Symphony Orchestra, conducted by its Coach, A. George Hoyer. Assisting the orchestra will be Miss Elizabeth Travis Behnke and Miss Margaret Dellinger Barney. They are pianist and coloratura soprano respectively and each is an artist in her own right.

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GRAPHS INDICATE WHOLESALE PRICE AND WAGE UPTURN

Rise in Curve of Cost of Living Is Said to Show Possible Recovery in View

According to several graphs published by the National Industrial Conference Board of New York and posted in Building 1 of the Institute, economic conditions in America are taking a turn for the better. Since February of last year, wholesale prices and weekly wages in industrial plants have been definitely on the rise. The explanation which accompanied the graphs interpreted the sharp turn in the curve of the cost of living as an indication of the beginning of a possible recovery from the depression. One graph showed the course of the average weekly earnings in twenty-five manufacturing industries for all wage earners between 1914 and 1933. A steep rise started about 1914 which reached its summit at the close of the war. Within the next year a rapid decline brought wages to a new low level.

Prices Ascending
By 1929 the curve had gradually approached the war level, but from here the graph of prices shot down to the low point indicating the recent depression. However, beginning about the first of this year, the line has been steeply ascending.

The explanation below the graph pointed out the fact that at times the earnings of skilled workmen was as low as or lower than the average wage for unskilled laborers.

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Corporation XV Postpones Bankers and Brokers Ball

Corporation XV, at the request of two Church groups who have objected to the holding of a dance on Good Friday, has agreed to postpone its Bankers and Brokers Ball until May 4th, which is the evening before the Institute Open House. Those who have purchased tickets will have the option of receiving full refund at once, or of holding the tickets until the evening of the dance, at which time, they will be honored.

Tech Show Shows Deficit of \$100

800 Persons Paid Admission— Could Have Accommodated 1000 More

Tech Show, in its three performances of last week, reported a loss of \$100 according to John M. Hitchcock, '34, general manager of the show. Hitchcock attributed the loss to poor support on the part of the student body, stating that although the hall could have accommodated 1,800 persons on the three nights collectively, only 800 paid admissions were received.

Lost in 1931 Also

This is the second time in recent years that Tech Show has had a deficit. In 1931, when its debts were assumed by the Institute Committee and the show closed because of financial dependence, the loss was \$1,700. Last year the organization was readmitted into the undergraduate association, on condition that the management post a large bond to cover any debts that might be incurred. The show made a profit of \$200 on its 1933 presentation.

Although, Hitchcock said last night, the depression accounted in a large measure for the poor attendance, the performance was successful. He has not yet announced any plan for making up the deficit.

DEBATING SOCIETY MEETS B. C. FROSH

Represents Institute for First Time in Many Years

For the first time in many years, the Institute will be represented in an intercollegiate debate when the freshman team of the recently formed Debating Society debates with Boston College freshmen at 7:30 tonight in North Hall of Walker Memorial with Professor Henry G. Pearson, head of the Department of English, presiding.

The Technology team will take the negative side of the question which is: "Resolved, that the Principles of the NRA Be Made a Permanent Feature of the United States Government."

Paul A. Vogel, '37, manager of the society, has made possible this and the other debates. The team, tonight, will consist of Leonard A. Seder, '37, president of the Debating Society; Robert E. Katz, '37; and Paul W. Stevens, '37.

PLUMB DEPTHS OF OCEAN TO OBTAIN NEW KNOWLEDGE

Technology Meteorologists Seek Data on Swirling Currents Affecting Weather

Studies of the ceaseless motion of the sea in the surface layer which is constantly stirred by the winds will begin soon with a new instrument developed at the Institute. Not only is this layer important for the solution of atmospheric and nautical problems, but as the principal area of organic life in the sea, it holds many secrets of plant and animal growth.

The apparatus is designed to make a continuous record of ocean temperatures to a depth of 600 feet, and is expected to provide data for checking theoretical studies of wind and water speeds, and their influence on the surface, or homogeneous layer.

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"Absence Due to Neglect" Briggs

Says Was Partially Caused by Sickness and Time Taken by Crew Practice

Admittance that his continued absence from Institute Committee meetings was partly because of negligence on his part was made by Philip G. Briggs, '36, Sophomore Class President last evening in an interview. Representation of the Class of 1936 was recently revoked by the Institute Committee because of the many inexcused absences of Briggs.

Briggs also attributed his failure to attend meetings to time taken by crew practice and sickness. He further stated that attendance of the other representatives on the committee from the class has not been good of late.

John C. Austin, '36, member-at-large from the class said yesterday, "It is extremely unfortunate that the entire Sophomore class should suffer the loss of its representation on the Institute Committee because of personal negligence of one of its representatives."

According to Article VIII, Section 3 of the By-Laws of the Undergraduate Constitution, the Sophomore Class cannot have its representation on the committee restored until it submits a petition giving assurance that such absence will not recur.

In explaining the action of the Institute Committee in forfeiting the representation of the class, Joseph L. Seligman, '34, Secretary said, "The Sophomore Class has more absences than the whole Institute Committee put together."

SOCIALIST AND COMMUNIST GIVE OPINION ON WAR

Questions by THE TECH Answered by Sparks and Lewis Wednesday

Speaking last week before a lively audience that filled Room 10-250 to overflowing, Samuel Sparks, New England organizer of the Communist Party, and Alfred B. Lewis, New England organizer of the Socialist Party, discussed the general subject of "War," with special reference to the

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Technology Will Present Degrees in City Planning

Establishment of a degree of bachelor of architecture in city planning was announced at Technology today, following a vote of the Institute's corporation. Creation of this degree comes as a further development of Technology's pioneer work in this increasingly important field, and the expansion of the course in city planning announced last autumn.

This course includes the study of such vital community problems as slum clearance, industrial housing, traffic systems, and the beautification of urban areas.

MAKE PLANS FOR ALL-TECH ANTI-WAR MEETING

More Professors Express Their Approval of the Project— N. S. L. Takes Back Seat

Making plans for the All-Tech Anti-War Conference, the committee, representing all clubs sponsoring the project, met on Wednesday, and discussed the details of the conference. They will present speakers on the different points of view as to how to prevent war.

Although this committee meeting was called by the local chapter of the National Student League, all details of the conference have been turned over to the committee, and the N. S. L. is now participating in the same manner as the other organizations. The committee will be in full charge, but the conference itself will be open.

More Professors Approve
The following are several statements of Institute professors approving an Anti-War conference:

"It seems to me very desirable to have a conference to bring the issue of war before the students. Men of military age ought to form a definite and personal opinion as to the extent of their obligation to serve their country. The current apathy seems from any point of view to be deplorable." —Professor Penfield Roberts.

"I am in favor of any conference whose purpose is to combat war. The attitude of students in questions relating to war is of paramount importance." —Professor D. J. Struik.

"I believe that wars are still unavoidable, but I am glad to have

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VOTE WEDNESDAY

Plan Was Reported Favorably to Faculty by Investigating Committee

PROPOSAL WOULD EXEMPT ARCHITECTS AND GRADS

Report Stated Both Students and Instructors Avoided Saturday Classes

Rejection of the proposed five day week was made by the Faculty Wednesday, meeting to vote on the measure. The plan was favorably reported on by the committee appointed by the Faculty to investigate it.

The committee stated in its report that both students and instructors avoid Saturday classes whenever possible. Efficiency, said the report, was considerably lowered by students coming late to classes and cutting them entirely.

Would Exempt Course IV and Grads

The proposal rejected by the Faculty included clauses which would have exempted Course IV and graduate students from a five day week. The committee's report recommended that the plan be put into effect at the beginning of the academic year 1934-1935.

Polls of some twenty members of the Faculty and instructing staff and seven hundred and fifty students recently conducted by THE TECH showed a majority of sentiment to be in favor of the plan.

GALLAGHER GIVES TALK OF FASCISM

Tells of Conditions in Germany from Own Experiences

"The student body in the higher schools in Germany is limited to fifteen thousand students, out of a population of sixty million; many students in Germany are forced to either go to work on farms or in labor camps for only their room and board," said Leo Gallagher, noted labor lawyer, speaking on "Fascism" yesterday, under the auspices of the National Student League.

Was Dimitroff's Attorney

Mr. Gallagher went to Germany to act as the lawyer of Dimitroff, one of the defendants in the famous Reichstag arson trial. However, he was not allowed to take part in the trial, and was later expelled from Germany.

The two reasons the Nazis gained control of Germany, according to Mr. Gallagher, were the Versailles treaty, which he described as "undoubtedly the most unjust treaty in the history of the world," and the weak and compromising attitude of the Social Democratic Party, which included a majority of the German workers.

Last Resort of Capitalism

Fascism was identified as a last resort of capitalism when it is faced by overthrow at the polls. Mr. Gallagher said that although capitalism usually desired to use the forms of democracy to make the people believe they are governing themselves, in a critical time the people's rights are taken away and they are governed by a Fascist dictatorship.

In commenting on the possibility of Fascism in this country, Mr. Gallagher said, "We talk about democracy, but the minute you begin to defend minorities, or support the opinions of minorities, you lose your position. . . . Many professors give up their opinions for their jobs. There is no such thing as academic freedom."

BOSTON PAPERS EXCEL IN WRITING

The standards of writing of our recognized Boston newspapers are higher than those in any other city of comparable size and are in no way inferior to those of the great New York journals, according to Prof. Matthew R. Copithorne, who gave the fifth lecture in his free university course on speech and style in literature at the Old South Meeting House Wednesday afternoon.

"Considering the rapidity with which its material is assembled and the number and variety of talents involved in its making, the metropolitan newspaper is a kind of modern miracle," stated Prof. Copithorne.



Capt. David Ingalls, '34; Coach Jack Summers, Charles Emerson, '04; and Capt. Elect Louis E. Garono, '35.

GARONO ELECTED CAPTAIN FOR NEXT YEAR SQUASH TEAM YESTERDAY

Capt. Elect Is Active in Handball and Lacrosse Also; Donor of Emerson Cup Is Guest at Post Season Banquet of Team

Louis E. Garono, '35, was elected captain of the squash team last night after the annual post season banquet of the team. Captain Garono's home is in Buffalo, New York, and came here as a transfer student from Georgetown University. Garono is enrolled in Course X. At the present time he is the leader in the Course XV Stock contest. He has played squash for nine years, but this is the first year that he has entered varsity competition here. Last year he was the finalist in the

Dorm Squash contest, and this year he was runner up, losing to Ed Lucas in the final. At the present time, he is entered in the finals of the All Tech handball tournament, the finals of which are to be played soon.

Emerson, '04, Speaks
After the dinner, Captain Ingalls introduced Charles Emerson, '04, donor of the cup in the Emerson Cup Tourney. Mr. Emerson is an enthusiastic sport fan, having played football, squash, baseball, and golf while here at the Institute, in addition to being out for crew.

The dinner was concluded after ex-captain Ingalls had outlined plans that are under way to stimulate interest in squash.



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In Charge of This Issue: Albert A. Woll, '37

A NEW DEAL FOR ATHLETICS

WILL the Institute urge visitors on Open House day to inspect the Track House and Hangar Gym with the same pride that it allows them to visit the new Eastman laboratories? Does Technology consider that these unkempt, unsanitary buildings properly fill the needs of campus athletics?

For years every Technology man has admitted the inadequacy of the Hangar Gym and Track House. Not only are they smelly, dirty, badly lit, but the very floors and rafters are rotting. The place is difficult, if not impossible, to keep clean, and consequently it is a menace to the health of students and visitors using it.

In order to remedy the situation there are, it seems, two possibilities. First, we can launch a campaign and raise several hundred thousand dollars to build a big gymnasium, with swimming pool, regulation squash courts, basketball floors, and indoor track, rooms for wrestling, boxing, and other sports—possibly even a tank for the crew to practice in during the winter—as well as a place for the A. A. offices. Such a place might well become an undergraduate centre to supplement overcrowded Walker.

Secondly, we can with the money now on hand, perhaps fifty thousand dollars, build a small, clean modern gym, as for example the one owned by Trinity College at Hartford, Connecticut. Trinity's gym has a swimming pool, several new shower rooms, eight squash courts of the most modern type, and an excellent basketball floor: all this is in one building covering no larger area than our present makeshift.

We are in favor of the second plan because of its economy and speed in execution. We hazard a guess, too, that the faculty is as tired as we are of using the Track House as it now stands. Let's give Technology coaches and athletes a "break": a new deal for Technology athletes.

MORE MANGLED MUSIC

FOR several weeks a strange silence has pervaded the second floor of Walker. The formerly continuous strains of music from the phonograph in the Trophy Room have been stilled; and only the distant airs from the public address system break the gloom. The reason is not that Technology has lost its music lovers or that the phonograph has broken down, but that the following notice has been clipped to the book where one signs for the key to the record case: "Until some different and better arrangement can be made for the use of the victrola, the key will not be available. Per order of Professor Dean Fuller."

According to Prof. Fuller, the reason for this order is that there is now no one to take charge of cataloging and maintaining the rec-

ords. The student formerly employed by the Walker Library to handle the matter has left the Institute; and the library, for reasons of economy, has declined to replace him. The Institute has been granted CWA funds to hire a man for full-time supervision and maintenance of the records. But the money has not arrived and until it comes, nothing will be done.

The inauguration of this new system of handling the records makes it cogent to suggest several other improvements that it would be well to introduce. It is generally conceded that the present phonograph has seen its best days and that a new instrument is badly needed. Moreover, the number of students wishing to use the victrola has become so great that it would be well to restrict the time allowed to any one user by a sign-up arrangement for hour or half-hour periods similar to that used with success in the music rooms at Harvard. It would also be well to consider what provision will be made for the victrola when CWA funds are exhausted, as they undoubtedly will be after a short time.

Let us hope, at any rate, that the difficulties retarding those in authority from putting the record case back into general use be cleared up without any more delay.

THE BURSAR'S CARD

THE demise of prohibition has removed one primary need for the Bursar's card. No longer is it necessary to produce the aforementioned evidence that you really do go to the Institute before being allowed to ruin your interior with some filthy beverage.

But the Card still has its uses. If you wish to hire a car, use the Card. If you want to open a charge account the Card identifies you. If you get stuck in a restaurant some night with your best girl, and the purse strings are locked and you've lost the key, the Card will accomplish the impossible, your personal check will be accepted.

So we see that it was with no mean foresight that the financial staff of the Institute has attached to the Card the instructions to "always carry this card with you." We can make a broad statement and say that it rivals the Coop number in its universal applicability.

THE STUDENT WAKES UP

FOR the past three weeks, fifty students have been meeting Tuesday afternoons in room 2-290 to participate in a discussion of "Modern Affairs" under the leadership of Professor Morris. That such a large number of students should participate in a discussion of this sort shows an interest in world affairs not commonly presumed of students at Technology.

Professor Morris has dealt particularly with conditions in Europe. He has argued the thesis that Germany caused the World War, and that the Versailles treaty is unfair and will cause a future war. Moreover, he has considered the rise of one-party governments in the world and has declared himself in favor of Fascism in the United States rather than a rule by the proletariat, which he considers the only alternative. After each meeting those present have engaged in a discussion of the points raised. Last Tuesday some of the audience was so interested that they stayed until almost six o'clock.

It is well that future engineers should thus consider the problems which are confronting the world. An engineering training should teach one to think clearly and accurately, but does by no means prepare one to deal successfully with issues involving large groups of people or world affairs. An acquaintance with existent conditions is a practical and cultural aid which too many Technology students lack.

OPEN FORUM

To the Editor of THE TECH:

Because of the uncertainty which might inconvenience many students who come to my office, it has always been my policy to leave the door wide open whenever I was in the Institute buildings. The open door has seemed the easiest and most logical as well as perhaps the most cordial manner in which to suggest that I would soon return and should welcome anyone wishing to see me.

Much to my regret, this practice must be abandoned. When a new overcoat was stolen several years ago, the loss was attributed to a marauding outsider and the door still stayed unshut. But recently, returning

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The United States Naval Academy is an organization of strict discipline, plain food, many bells, and tremendous corridors, and entertains as little of the cultural as one would expect in an institution devoted to training hardy men of the "briny deep."

Visiting teams, participating in the week-end sports are escorted throughout their stay, by Midshipmen especially told off for that duty. All is conducted in the atmosphere of perfect hospitality. The guest's every whim is favored.

It was just time for the noon-meal formation when we drew abreast of the corridor of the Fourth Battalion. The bells clanged, the feet scurried, and many neat blue uniforms drew up in perfect alignment. Preliminary to the Grand March into the quarter-mile long mess hall, announcements were read, and so we waited.

The reading is accomplished in a peculiar running sing-song voice, calculated to baffle the uninitiated. We listened in wonder, with occasional translations by our host, to several yards of routine stuff when suddenly we caught on to the lingo.

"Allawazzee pluthphumpmh stomphambo," said the announcer clearly, and went on after a short pause. "The New York Philharmonic Symphony Orchestra will broadcast over the Columbia Broadcasting System next Sunday afternoon at three o'clock under the direction of Arturo

Toscanini. All those interested in supporting the Society which sponsors these broadcasts, may send contributions to the Waldorf Astoria Hotel, New York City, care of the gawazzabe umpumph phlaazamee."

While we were searching frantically for pencil and paper to retrieve these pearls cast to the swine, and the Midshipmen defied rules long enough to break down in gales of laughter, the announcer paused and continued.

"All hands are enjoined to behave themselves like gentlemen at the boxing meet tonight. There will be no booing, of decisions, jeering the announcers, or yelling at men with drags."

At the conclusion of this, the ranks snapped to attention and marched briskly down the broad vistas of corridor to the nonn meal, which, we hoped, savored less of the things unnecessary to life on the foamy waves.

*Navy terminology for a date.

Man is the only one that knows nothing, that can learn nothing without being taught. He can neither speak nor walk nor eat, and in short he can do nothing at the prompting of nature only, but weep.—*Pliny the Elder.*

Wisdom is oftentimes nearer when we stoop
Than when we soar.—*Wordsworth.*

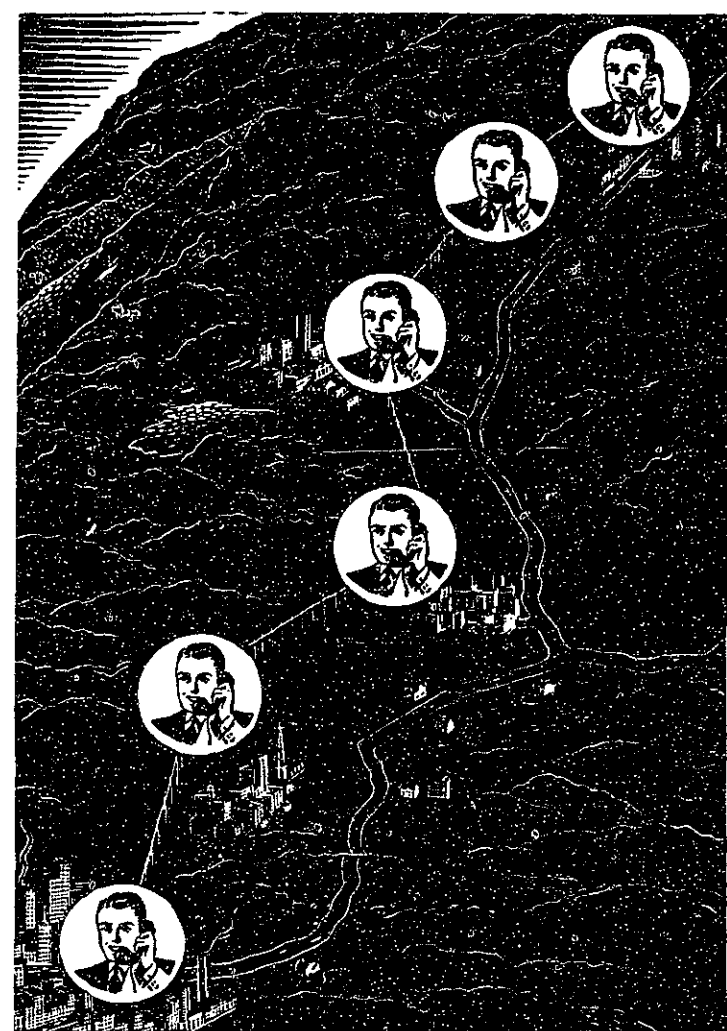
Before the coming of leisure, "life" was the monopoly of the very few.—*Joseph Lee.*

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BELL TELEPHONE SYSTEM



WHY NOT TAKE A TRIP HOME BY TELEPHONE?
—TONIGHT AT HALF-PAST EIGHT

Intercollegiates Draw Rifle Team

Sharpshooters Defend Title Against Leaders of East

Sergeant MacDonald's crack rifle team is traveling to Connecticut State College at Storrs, Connecticut, this week-end, where it will defend its Northeastern Intercollegiate title. The colleges which will compete are Connecticut State College, Norwich, M. I. T., College of the City of New York, New York University, Brooklyn Polytechnic and Northeastern.

The team has won seven out of twelve meets this year, having defeated New Hampshire, Beverly Rifle Club, Northeastern, Lowell Textile, and the First Corps Cadets, while they lost to Army, Navy, and the Boston Marines. In addition to such a splendid showing, there have been three new records broken. The two position accumulative high score has been raised to 915; the three position score has reached a new high of 1361. These records were both made in active competition when the team met the Beverly Club and Norwich Academy, respectively. The third record to fall was to Captain Wilbur Foote, 84, high scorer in last year's Intercollegiate, who shot a record 95 target.

The men who are making the trip tomorrow are Captain Wilbur Foote, Lawrence Hall, Robert Flood, Leonard Shapiro, Robert Greer, and Richard Lee. Foote will be defending the individual title which he won last year.

PLANS FOR CONFERENCE ARE WELL UNDER WAY

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Somebody present views opposed to my own. In this instance, I am particularly glad because the problems of war and peace present issues of importance to American students. In world growing more closely knit, it is now likely to involve nations rather than the original belligerents."

SPORTS COMMENT

Led by Captain Wilbur Foote, the Tech rifle team is going down to Storrs, Conn., to defend its Intercollegiate title tomorrow. The team has been improving steadily since the season began and if the men show the form which they have exhibited against their last two opponents, they should retain the championship. Tech has had a commendable record during the past few years, in regard to its rifle teams. Four champion outfits in the last six years certainly speak well for the coaching which the men receive from the U. S. Army officers stationed here.

Wilbur Foote, the Pittsfield marksman, who is the defending individual champion, and Len Shapiro are the only two Seniors in the group of six who are making the trip to Storrs. The other four are all third-year men, so that prospects for 1935 are bright. With Hall, Flood, Greer, and Rice as a nucleus Sergeant MacDonnell expects to have another fine group of shooters next year.

The rifle team is not the only group of Tech men to participate in a title meet tomorrow. After a rather disappointing season, the gym team will end up by taking part in the Intercollegiate Championships at Princeton. Tech's gym team suffered considerably when Flaitz and Bissell, two of the 1933 mainstays, did not return to school in September. The additional loss of Getting, Barnett, and Treadwell by graduation last June, left the ranks of the gymnasts pretty well riddled, with only Wally Wise and Ernie Van Ham back for Coach Neudorf to build this year's team around. As a result, the season showing of the group that goes to Princeton tomorrow has been rather mediocre. Captain Wise has been the most consistent point-scorer in the dual meets and he will probably contribute most of Tech's points at the title meet.

Coach Bill Haines seems to be in the bad graces of the weather man. The most severe winter in recent years kept the Charles river frozen up for a longer period than usual, so that the Tech crews were unable to get out on the water until almost a month later than last year. The weather man, apparently not satisfied with the delay he has already caused, now has sent a strong cold wind to harass the oarsmen. The frigid breezes of the past few days have made the river rough and choppy, besides chilling the men in the boats. Perhaps some day in the not too far distant future Coach Haines will be able to take advantage of a long desired warm evening and he put his men through a real long workout.

The dormitory bowling season is getting along toward its end, with Atkinson well on its way to taking the honors. Atkinson is now in first place with a percentage of .839, followed by Wolcott with .750, and Runkle with .714.

—Professor D. S. Tucker.

"I am opposed to all wars and firmly believe that complete world disarmament is the ultimate means of preserving world peace in the future. Therefore I endorse this conference since its aims are to discuss the causes of war."—Professor Hans Müller.

UNDERGRADUATE NOTICE

A colloquium on "Recent Developments in Short-Wave Radio," to be led by Mr. J. C. Schelling, Radio Research Engineer of the Bell Telephone Laboratories, will be held next Monday and Tuesday from 2 to 4 o'clock in Room 10-275.

Gymnasts Enter Intercollegiates

Captain Wise, Moore, Werblin, Van Ham Compete at Princeton

Captain Wally Wise will lead the Tech gym team entrants in the Eastern Intercollegiate gym championships tomorrow at Princeton. The entrants include Ernie Van Ham, Norm Moore, and Dave Werblin. Captain Wise will compete in two events, the flying rings and parallel bars. Moore is expected to do good work on the side horse. Werblin is entered in the rope climb, and Van Ham is Tech's second entrant on the flying rings.

Navy, Army, and Temple are the strongest teams entered in the meet.

UNDERGRADUATE NOTICE

Professor C. E. Tucker of the Department of Electrical Engineering will address the Boston Section, Institute of Radio Engineers, on the subject of "Municipal Police Communication Systems."

Intercollegiates Draw Gymnasts and Shooters

Two more Intercollegiate meets will attract the attention of Technology sports this week-end. The rifle team will be out to defend its team title won last year in Boston while Captain Wilbur Foote will try to repeat his win in the individuals. Led by Captain Wally Wise, four gymnasts will go to Princeton to compete in the Eastern Intercollegiate. The fencing team will face Boston College while Cleon Dodge will lead the freshman swimmers in the last meet of the year against the Charleston Boys' Club.

Fencing
Technology vs. Boston College,
Saturday at 3:00 P. M. in Walker.

Swimming
Freshmen versus Charleston's
Boys' Club on Saturday at
Charleston.

Rifle (Intercollegiate)
Saturday at Connecticut State
College.

Gym (Intercollegiate)
Saturday at Princeton.

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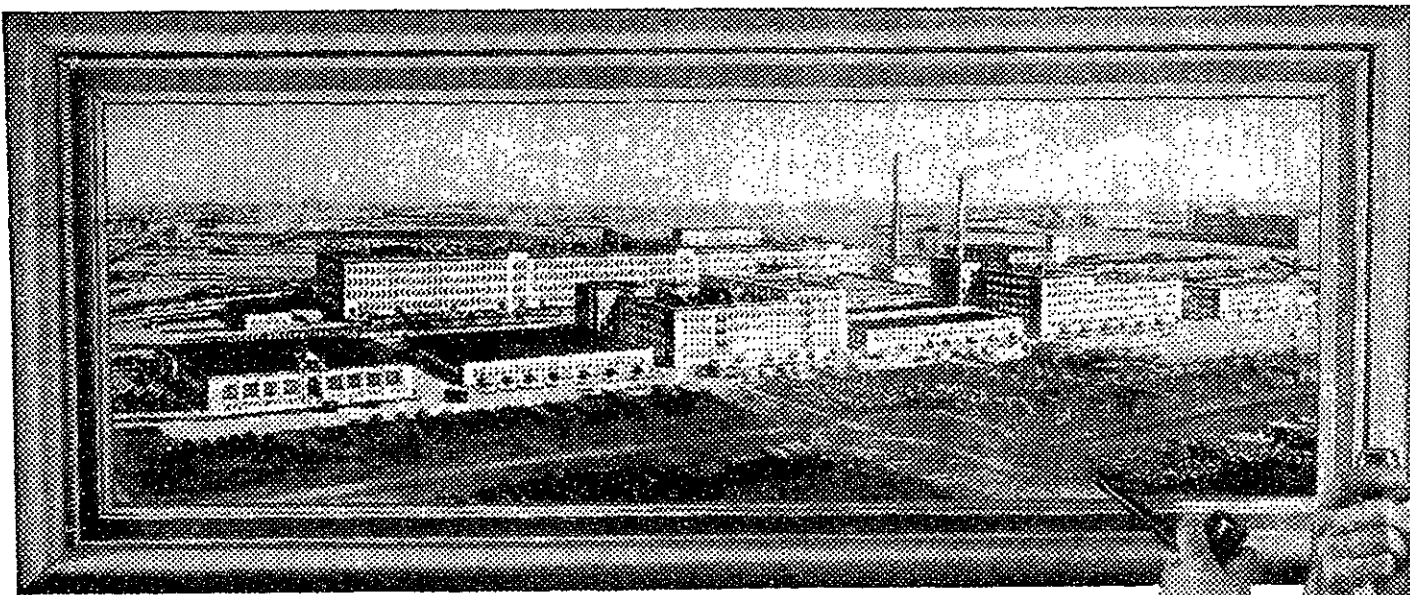
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Special discount to Students.

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"Yes sir..it just makes your mouth water"

THE next time you go out to St. Louis, I wish you could just go to this factory and see how they make Granger Rough Cut.

"I tell you it beats anything you ever saw to watch them age and condition that

old ripe Kentucky Burley.

"And aroma—well sir, it just makes your mouth water to get a good whiff of that tobacco when it comes out of those hot ovens.

"Everything about that St. Louis factory is just as clean as your own kitchen."



a sensible package
10 cents

Granger Rough Cut

the pipe tobacco that's MILD
the pipe tobacco that's COOL

—folks seem to like it

CALENDAR

Friday, March 23

4:00—National Student League Meeting, Room 4-131.
7:30—Debate, M. I. T. Debating Society vs. Boston College, North Hall, Walker Memorial.
8:00—Boston Section, Institute of Radio Engineers' Meeting, Prof. C. E. Tucker on "Municipal Police Communication Systems," Room 6-105.

Saturday, March 24

2:00—Fencing Meet with Boston College, Walker Gymnasium.
2:00—Belmont Commuters Basketball, Hangar Gymnasium.
6:30—Japanese Students' Club Dinner, Grill Room, Walker Memorial.
8:00—International Students' Club Dance, North Hall, Walker Memorial.

Sunday, March 25

2:00—Combined Musical Clubs Spring Concert, Walker Memorial.

Monday, March 26

12:30—Electrical Engineering Department Luncheon, Silver Room, Walker Memorial.
2:00—Electrical Engineering Colloquium, Mr. J. C. Schelling, Radio Research Engineer for Bell Telephone Laboratories, Inc., on "Recent Developments in Short Wave Radio."
6:00—Alumni Council Dinner, North Hall, Walker Memorial.
6:00—Basketball Team Dinner, Silver Room, Walker Memorial.
6:15—Dormitory Dinner Club, Grill Room, Walker Memorial.

WAR IS TOPIC OF LEWIS AND SPARKS

(Continued from Page 1)

attitudes of their respective parties toward it. Mr. Lewis spoke in the place of Norman Thomas, who was unable to attend.

After the speeches and general discussion, Sparks and Lewis were interviewed, both of them being asked the same questions. Following are, in part, the question and the answers of each speaker, listed together:

What was the stand of your party when the world war broke out? What action did it take with regard to this war?

Socialism Against War

Sparks: The Communist Party was not organized until after the war. It developed out of the left-wing element of the Socialist Party.

Lewis: The St. Louis Declaration of the Socialist Party said, "The Socialist Party of the United States in the present grave crisis solemnly reaffirms its allegiance to the principle of internationalism and working class solidarity the world over, and proclaims its unalterable opposition to the war just declared by the United States."

What anti-war activities, if any, has your party carried on since the war?

Sparks: There have been numbers of demonstrations against war factions. The Communist Party has participated in the World Congress; it also took the initiative in the United States Congress Against War in New York last year; it participates in the work of the American League Against War and Fascism.

Opposed to Increased Armaments

Lewis: We are undertaking to explain to the people and particularly to the conservative trade unions the relation between exploitation at home and imperialism abroad. We are today in addition trying to get pledges of individual opposition to war. We are also opposing the increase in armaments with all the propaganda energy at our disposal.

What is your party doing right now to help avert the threatening war?

Sparks: It is carrying on its general anti-war activities.

Lewis: We are carrying on our anti-war propaganda by all the means we can.

What will your party do if and when war is declared by the United States in the near future?

Sparks: It will carry out its basic principle in turning a capitalist war into a class war against the capitalists and organizing mass resistance.

Lewis: We will oppose the war to

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Authorized and approved literature on Christian Science may be read, borrowed or purchased.

MUSICAL CLUBS OFFER FREE SUNDAY CONCERT

(Continued from Page 1)

The program for the occasion is as follows:
Haydn.....Symphony No. 2 in D Major (I. and II. 104)

I. Adagio, Allegro
II. Andante
III. Menuetto, Trio
IV. Finale: Allegro spiritoso

SONGS WITH ORCHESTRA
Mozart.....Aria "A Chloë" (Arranged for String Orchestra by Mr. Hoyer)

Converse....."Loves Homing" (Converse....."Woods Song" with Flute, Harp and Strings)
Puccini....."Vissi d'Arte" (Miss Barney)

Converse....."Sonnet" for Solo Harp and String Orchestra
Miss DeVolt

Mozart.....Concerto for Piano in B flat Major (Kochel No. 450)

I. Allegro
II. Andante
III. Allegro
Miss Travis-Behnke

Strauss.....Waltz—"Frühlingstimmen" (Voice of Spring)

the limit of our ability as we did in 1917.

R.O.T.C. Should Be Abolished

What, do you think Technology men can do to help avert war? Do you consider that the abolition of compulsory R.O.T.C. would be a step in this direction?

Sparks: They can help by taking part in anti-war organizations. They can expose elements of fascism and form relations with the working class. The abolition of R.O.T.C. would help because its effect is to militarize students.

Lewis: Abolition of the R.O.T.C. would help at least somewhat. But I am certain that getting into the organized and sensible struggle against capitalism by the means our party offers will do a great deal more.

What is the relation of fascism to war?

Fascism the Weapon of Capitalism

Sparks: Fascism is essentially the weapon of capitalism. It makes imperialistic war inevitable.

Lewis: Fascism is the last stand of capitalism. Its supernationalism lends additional danger to the general likelihood of war which capitalism involves.

Do you oppose all wars or do you recognize such a thing as a defensive war?

Sparks: Defensive wars are pure deception by the capitalists practiced on the masses. We do not oppose all wars. We are in favor of class wars and of revolutionary wars because they are progressive.

Lewis: International wars are not likely to be defensive, except in the case of the weaker peoples who are the victims of imperialism. No war that is likely to be entered into by the United States would be a defensive war.

League of Nations Organizes Wars

Do you believe that the League of Nations and the World Court are or have been a means of averting war?

Sparks: The League of Nations serves only as a political arena for diplomats and thus actually serves to organize wars.

Lewis: The League of Nations is a league of international bandits. As such it will not help the weaker nations that are victims of imperialism. But it could at least in theory stop the big wars, because it ought not to be impossible to devise a means of dividing up the loot amicably. If so, then big wars would be stopped. To some extent that is the only hope for the near future, because we are not likely to be able to do much by mass action in the United States to stop war for a while still to come.

Interest High in P. T. Competition

Over Sixty Men in Competition for Medals; Contest Ends Tomorrow

With over sixty first year men in close competition for honors, P. T. track competition will end on Saturday. According to Oscar Hedlund, competition this year has been keener than ever and with the final day approaching, interest is running high. Most of the men have competed in their seven events and are only waiting for the final tabulation of points.

The competition which started last December is conducted by Track Coach Oscar Hedlund and has been open to all freshmen. The plan of contest is to have each man compete in seven of eight track or field events for which points are awarded on a basis of a hundred made by equaling the P. T. record. Times or distances which differ from the record are given points proportionally. According to Hedlund these records are kept as religiously as the varsity track team records.

The winners last year were Thomas E. Brown, Stanley T. Johnson and Henry C. Runkel. The final results for this year will be announced next week and the three high men will be awarded medals.

DEPTHS OFFER SOURCE OF NEW WEATHER DATA

(Continued from Page 1)

The instrument consists of a metal frame containing a bimetallic thermometer which actuates a pen for recording the temperature on a sheet of smoked aluminum foil. The position of this foil relative to the temperature recording pen also changes with depth, since it is attached to a balance between an aneroid barometer and a tension spring.

It has been definitely established that the friction of the wind blowing over the sea creates surface water currents whose direction and velocity vary with depth. These surface currents are superimposed on the tides and great currents such as the Labrador and Gulf Streams, and may extend to a depth of from 30 to 500 feet. Because of the thorough vertical stirring received by the water in this layer, its temperature remains fairly uniform, and hence its name of "homogeneous layer."

Homogeneous Layer Affects Weather

This homogeneous layer in the ocean is in many ways comparable to the troposphere of the air. Most of the important weather phenomena probably do not take place in the stratosphere, but below in the turbulent troposphere, which reaches a few thousand feet above the land. Similarly, the swirling homogeneous currents may be looked upon as the birthplace of the ocean's "weather." Since it may grow thicker or thinner through converging or diverging motion, the homogeneous layer may control the movements of underlying strata. It is essential for scientists to know these surface currents in detail in order to estimate the significance of that part of the oceanic circulation which is wind-driven.

Rosby Conducts Research

Professor Carl G. Rosby, head of the division of meteorology at the Institute, and who is conducting the meteorological investigations of the Woods Hole Oceanographic Institution, has established in theoretical studies correlations between wind and water speeds and the depth of the homogeneous layer. Up to the present, however, no satisfactory means have existed for checking these figures experimentally. Borrowing a principle used in the construction of meteorographs for stratosphere investigations, Professor Rosby, Dr. Karl O. Lange of M. I. T., and R. D. Feiber, an expert in instrument construction, devised the "oceanograph," which continuously records water temperature as a function of depth. The device is accurate to within one-tenth of one degree Fahrenheit in temperature and one foot in depth to a total depth of 600 feet. The instrument is to be used on board the *Atlantis*, research ship of the Woods Hole Oceanographic Institution, in a series of studies of the homogeneous layer.

At Northwestern the co-eds who promised to remain faithful to their loves who are far away have organized and will refuse all dates with university students. At the last report, membership in the organization had increased to three.—*The Crimson-White*.

OPEN FORUM

(Continued from Page 2)

from a short errand with the Bursar, a student was encountered leaving the office just as I returned. His declaration, in response to my greetings, that he was not looking for me (what candor) aroused my suspicion; a quick check confirmed the unworthy fear that something had been stolen. There followed a successful if undignified pursuit down the corridor and across the campus. It resulted in the capture of the fleeing robber. (At my age this was rather a gratifying surprise.) From beneath his coat the missing article was recovered.

I regret, since it seems probable others may be inconvenienced, that hereafter when my door is closed it will not always signify my absence from the campus. I hope that the thief—who was not prosecuted because I felt his act was really but the impulsive performance of an adolescent overcome by an unfortunate combination of covetousness and opportunity—I hope that he will read this communication and realize not only the great probability of his expulsion from college had the case been pressed, but also that his dishonesty will cost other more honorable men unmerited annoyance.

Very truly yours,
F. Alexander Magoun.

To the Editor of THE TECH:

Corporation XV since its inception has sought to co-operate with the various groups combined in the Undergraduate body and the Faculty of the Institute.

As you know, the Corporation was scheduled at Walker Memorial, its Bankers and Brokers Ball for Friday, March 30, which is a church holy day in many denominations.

The committee in charge has received communications from two major church groups inquiring whether it would not be possible to postpone the dance. Out of deference to these groups the Directors of the Corporation feel that those who have already purchased tickets would be willing to hold them until May 4 at which time the dance will be given exactly as previously planned, or, their payments will be gladly refunded by the salesmen upon presentation of the tickets now issued.

Returns already in hand assured the success of the dance, but we feel this summary action is justified out of respect for the significance of the day and sincerely hope that those thus affected will see the matter in the proper light and will bear with us until May 4.

Sincerely,
William G. Ball, Jr., '34,
President.

SWIMMERS START CLASS UNDER C.U.S.

Potential swimming team members will be given an opportunity through the C. U. S. to receive free swimming instruction at the University Club Pool under experienced tutelage. According to swimming Coach Max Untersee, the purpose of the C. U. S. classes is to stimulate interest in swimming and to give the natators more practice.

The classes are planned for Monday, Wednesday and Friday afternoons from 4:30 to 6:30. After April 17th a small charge of twenty-five cents will be made to all men entered in the classes.

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Golfers Prepare for Busy Season

Pep Mass Meeting to Be Held Next Week; Schedule Is Prepared

With interest at the highest pitch in a number of years, the golf season will get underway next week when the men will hold a pep mass meeting. According to Captain Arthur C. Esslinger there should be a grand scramble for places on the team since a large squad will probably turn out. Enthusiasm has been running high in the sport this year and the team is looking forward to a successful season. Between ten and fifteen men have been using the driving range throughout the winter and the same number of men have been taking lessons under John Cowan, experienced pro of the Oakley Country Club.

A schedule has been arranged. Manager John S. Slosson, which includes Tufts, Holy Cross, Amherst and Providence College. Although only two veterans are returning from last year's team, there are a number of men who have been showing great prospects during the winter practice. Next week's meeting will be held Tuesday, in Room 2-063 at 6 o'clock.

UNDERGRADUATE NOTICE

The Army Ordinance Association will hold a meeting in Room 1-223 Thursday, Mar. 29. All members must be present since elections of officers will be held.

GRAPHS SHOW UPTURN IN PRICES AND WAGES

(Continued from Page 1)

A second graph traced the trend of wholesale prices from 1800 to 1930 and of industrial wages from 1840 to the present time. Writers of history stress the changes in price levels as indicating economic conditions, but, according to the discussion accompanying the graph, it matters little whether prices are high or low at any particular time, but on the other hand it does matter whether prices are rising or falling. Changes in price levels bring about acute disturbances in economic relations.

War's Effect on Prices

The chart showed clearly the effect of large wars on the trend of wholesale prices and wages. During the Napoleonic, Civil, and World Wars there was a sharp rise in price level and a long period of slowly declining prices after each. The decline in prices in recent years was much more rapid than in past periods of declining prices.

The curve of average wages since the middle of the nineteenth century, in contrast with the price curve, has almost continually except for a sharp decline after each war. After 1918, however, wages took an acute drop until the first part of 1933 when they started a gradual rise again.

After the Civil War, prices started to decline before wages had ceased to rise. However, after the World War, wages held their own in the face of rapidly declining prices and were boosted still higher when prices started to rise in 1921.

Wages didn't start down again until 1932, although wholesale prices at cost of living took a drop two years earlier.

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